

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial____ Technical __X__ Analytical __X__

Administrative ____ Clerical/Support ____ Other____

Level of Responsibility: GS_11 - 13__ Pay Band ____ WG/WM ____

Duration: 3 months ____ 6 months__X__ Other____

Timeframe: 1st quarter __X__ 2nd quarter __X__ 3rd quarter____ 4th quarter____

Title of Assignment: Coast Pilot Analyst

Assignment Objective:

Recommend possible product changes to help facilitate data sharing between NOAA products and to become familiar with and participate in the day-to-day activities of the Coast Pilot Branch.

Description of Tasks:

This opportunity involves the evaluation, processing, and formatting of various types of source materials used to update the Coast Pilot, a nine-volume set of books that supplement the nautical charts. The incumbent will be exposed to website maintenance, desktop publishing, and may provide input for the incorporation of Coast Pilot data with electronic nautical charting products.

Special Requirements and Selection Criteria:

A good word processing background, knowledge of nautical charts and related publications.

NOAA Line/Staff Office: NOS / Office of Coast Survey

Point of Contact: John Nyberg (301)713-2729 x162

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Occupational Category:

Managerial_____ Technical X Analytical X
Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS 9 - 13

Duration: prefer 6 months; 3 months is acceptable

Timeframe: 1st quarter_____ 2nd quarter X 3rd quarter X 4th quarter X

Title of Assignment: Real-Time Hydrodynamic Modeling and Prediction

Assignment Objective: To provide the RAP employee with an appreciation of the power of hydrodynamic water circulation modeling for the real-time prediction of water levels, currents, temperature and salinity, and for the simulation of the geographic distribution of tidal datums, in estuarine and coastal environments. We would like to (1) emphasize the importance of the atmospheric (wind; heat and moisture fluxes) and hydrologic (fresh water from rivers and watersheds) inputs to hydrodynamic circulation models as well as the potential for coupling of hydrodynamic, atmospheric and hydrologic systems through models. We are also interested in (2) advancing data assimilation techniques in hydrodynamic models. We would like to also (3) give the RAP employee experience in developing cooperative projects between our office and other offices in NOS and NOAA.

Description of Tasks: (1) To work with the Coast Survey Development Laboratory (CSDL) to develop a clearer understanding of the potential for coupling of hydrodynamic, atmospheric and hydrologic systems through modeling techniques; or (2) to assist CSDL in the application of data assimilation techniques in estuarine and coastal numerical hydrodynamic models; and (3) to help forge partnerships with the offices in NOS and NOAA that deal with these problems.

Special Requirements and Selection Criteria: The candidate should have experience with or involvement in numerical modeling and some knowledge of atmosphere-ocean-land interaction. Experience in data assimilation techniques would be useful.

Host Office: NOAA/NOS/Office of Coast Survey
(in its Coast Survey Development Laboratory)

Date: January 2004

Point of Contact: Frank Aikman (301-713-2809, x101)

NOS-04-NCCOS

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial ☒ Technical ☒ Analytical ☒

Administrative _____ Clerical/Support _____ Other _____

Level of Responsibility: GS ☐ 12 _____ Pay Band ☐ III _____ WG/WM _____

Duration: 3 months _____ 6 months ☒ Other _____

Timeframe: FY05-1st quarter ☒ 2nd quarter _____ 3rd quarter _____ FY04-4th quarter ☒

Title of Assignment: NOS staffing to the Ecosystem Research Matrix Program (ERMP)

Assignment Objective:

Get insight in the Budget process in general and in the NOAA Programming, Planning, Budgeting, System (PPBS) as well as in the matrix management. Understand how Coastal Science ties to other parts of NOAA through the budget process.

Description of Tasks:

- Support NOS staff to the ERMP
- Provide assistance and back-up for all tasks
- Attend Meetings
- Gather NOS information and needs
- Advocate NOS needs
- Collaborate mostly with OAR and NMFS and occasionally with other LOs to provide information and directions to the ERMP and the Ecosystem Goal Team

Special Requirements and Selection Criteria:

- Interest in science policy and management of science
- Background in the budget process or hill experience welcome

NOAA Line/Staff Office: /s/ Jean Snider, Deputy Director, NCCOS 1/12/03

Point of Contact: Dr. Nathalie Valette-Silver, 301-713 3020, ext 181, Email:

Nathalie.valette-silver@noaa.gov

NOS-05-OCRM

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Occupational Category:

Managerial ☒ Technical ☒ Analytical ☒

Administrative ☐ Clerical/Support ☐ Other ☐

Level of Responsibility: GS 12-13 Pay Band ☒ 12 WG/WM ☐

Duration: 3 months ☐ 6 months ☒ Other ☒

Timeframe: 1st quarter ☐ 2nd quarter ☒ 3rd quarter ☒ 4th quarter ☒

Title of Assignment: Science Analyst

Background:

The analyst would assist in planning and implementing the reserves System-wide Monitoring Program, restoration and other science activities. The National Estuarine Research Reserve System-Wide Monitoring Program (SWMP) tracks short-term variability and long-term changes in coastal ecosystems represented in the reserve system. The initial phase of the reserve's System-wide Monitoring Program, known by its acronym SWMP (pronounced swamp), began in 1996. This phase focuses on monitoring water quality (temp., DO, conductivity, nutrients etc) and atmospheric information (air temp, wind speed rainfall etc). Data are QA/QCed via a Centralized Data Management Office and posted to the web (<http://cdmo.baruch.sc.edu/>).

Assignment Objective:

The science program within the reserve system offers several opportunities for the analyst, depending upon their interest. These involve planning future phases of SWMP that will include monitoring of selected habitats/organisms and monitoring changes in land use/habitats using remote sensing. Specific activities include:

- Organizing/updating the reserves' monitoring plan;
- assisting in planning a science review of the reserve system and populating the reserves research database;
- developing an implementation plan for restoration in the reserve system and engaging other offices through the Restoration Matrix team;
- developing a plan for the use of remote sensing and GIS in the reserve system;
- and promoting the NERRs Technical Report Series.

There will be opportunities to visit individual reserves sites.

Skills an analyst will gain include:

Technical writing; facilitation/ability to communicate with NOAA, external partners, scientists and policy makers. Technical knowledge of reserve related science (e.g.,

monitoring, restoration, GIS).

Description of Tasks:

Deliverables may include an updated SWMP plan; plan for implementing restoration science in the reserves; land use and habitat mapping vision for the reserves; and science articles on reserve activities.

Special Requirements and Selection Criteria:

Strong knowledge of estuarine ecology; critical thinking; strong reading and writing skills; good computer skills in Word, WordPerfect, Excel and Powerpoint.

NOAA Line/Staff Office: Office of Coastal Resource Management, Estuarine Reserves

Point of Contact: Maurice Crawford, Estuarine Reserves Division, 301.713.3155 ext. 165

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Duration: 3 months ____ 6 months__X__ Other____

Timeframe: 1st quarter__ 2nd quarter_X_ 3rd quarter_X_ 4th quarter__

Title of Assignment: Education Support Specialist for the Estuarine Reserve Division

Background:

National Estuarine Research Reserves offer education and training for professionals that make decisions about coastal resources on a regular basis such as planners, conservation council members, resource managers and community leaders. The education program at the Estuarine Reserve Division coordinates the work of all education coordinators at the reserve level.

Assignment Objective:

The Education Support Specialist would assist the Education Coordinator of the Estuarine Reserve Division in enhancing materials and helping advance the goals of the NERRS Education Coordinators, as they develop a system-wide program. Among some of the immediate tasks are:

- Helping enhance materials that speak about the system-wide educational program,
- Developing the education content for the National Estuarine Research System website,
- Developing a handbook for new NERRS educators,
- Communicating and compiling information from NERRS Educators on their research related educational programs, and
- Writing about educational reserve level activities.

Some of the benefits that will be gained from collaborating with the NERRS Education Program are:

- Exposure to a NOAA program, which has a unique federal and state level partnership.
- Technical writing about estuaries, and the educational stories developed at the reserve level
- Interaction with other NOAA educators, both at the reserve and NOAA level
- Knowledge about estuaries and some of the issues that affect them, and the reserve level response through education.

Description of Tasks:

The deliverables may include:

- A written inventory of educational programs with a research focus
- A compilation of educational materials to post on the NERRS intranet and website
- An orientation package for new NERRS Educators
- Articles on educational reserve activities
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Special Requirements and Selection Criteria:

The person would be required to have: Excellent organizations and analytical skills, Skills in writing and editing, and attention to detail, Interpersonal relations skills, Ability to work independently as well as part of a team, Database management

NOAA Line/Staff Office: Office of Coastal Resource Management, Estuarine Reserves Division.

Point of Contact: Atziri Ibanez, Education Coordinator, Estuarine Reserve Division, 301 713 3155 ext 164 & Kate Barba, ERD Program Manager, Estuarine Reserve Division, 301 713 3155, ext. 182